BEHR
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Behr Premium Plus Interior Flat Ultra Pure White No. 1050**
Product Number:	1050
Manufacturer Name:	BEHR Process Corporation
Address:	3400 W. Segerstrom Avenue Santa Ana CA 92704

U.S. Contact Info.:

Business Phone:	(714) 545-7101
Technical Service Phone:	(800) 854-0133 ext. 2
Business Fax:	(714) 241-1002

Canadian Contact Info.:

Business Phone:	(800) 661-1591
Technical Service Phone:	(800) 661-1591
Business Fax:	(800) 387-0019

For emergencies in the US, call CHEMTREC: 800-424-9300
In Canada, call CANUTEC: (613) 996-6666 (call collect)
Manufacturer MSDS Revision Date: 03/31/2005

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product No. 1050

Chemical Name	CAS#	Lower Percent	Upper Percent
Titanium dioxide	13463-67-7	10	30
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	25852-37-3	10	30
Anhydrous aluminum silicate (Calcined kaolin)	66402-68-4	10	30
Nepheline Syenite	37244-96-5	5	10
Ethylene glycol	107-21-1	5	10
2-methyl Propionic acid monoester with 2,2,4-trimethyl-1,3-pentanediol	25265-77-4	1	5
Silica, amorphous, precipitated and gel	112926-00-8	1	5
Aluminum hydroxide (Al(OH)3)	21645-51-2	1	5
Palygorskite	12174-11-7	0.1	1
Non-hazardous ingredients		30	60

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SECTION 3: HAZARDS IDENTIFICATION

Product No. 1050

Emergency Overview:	Irritant.

Applies to all Ingredients

Potential Health Effects:

Eye Contact:	May cause irritation.
Skin Contact:	May cause irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause vomiting.
Chronic Skin Contact:	Prolonged or repeated contact may cause skin irritation.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Signs/Symptoms:	Overexposure may cause headaches and dizziness.
Aggravation of Pre-Existing Conditions:	None generally recognized.

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SECTION 4: FIRST AID MEASURES

Product No. 1050

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

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SECTION 5: FIRE FIGHTING MEASURES

Product No. 1050

Flash Point:	No Data
Extinguishing Media:	Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Product No. 1050

Personal Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.

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SECTION 7: HANDLING AND STORAGE

Product No. 1050

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Product No. 1050

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Ingredient Guidelines	Guideline Type	Guideline Information
Ethylene glycol		
	ACGIH TLV-STEL	C 100 mg/m3 (Aerosol only)
Silica, amorphous, precipitated and gel		
	ACGIH TLV-TWA	10 mg/m3
	OSHA PEL-TWA	20 mg/m3
Titanium dioxide		
	ACGIH TLV-TWA	10 mg/m3
	OSHA PEL-TWA	15 mg/m3

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Product No. 1050

Physical State/Appearance:	Liquid
Color:	White
pH:	8.5 to 9.5
Vapor Density:	Greater than 1 (Air = 1)
Density:	10 - 12 Lbs./gal.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC:	Material VOC: 107 gm/l (Includes Water) Coating VOC: 206 gm/l (Excludes Water)

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SECTION 10: STABILITY AND REACTIVITY

Product No. 1050

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32

	deg. F.
Incompatibilities with Other Materials:	Oxidizing agents. Strong acids and alkalis.
Hazardous Polymerization:	Not reported.
Hazardous Decomposition Products:	Incomplete combustion may produce carbon monoxide and other toxic gases.

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SECTION 11: TOXICOLOGICAL INFORMATION

Product No. 1050

2-methyl Propionic acid monoester with 2,2,4-trimethyl-1,3-pentanediol

2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate

Aluminum hydroxide (Al(OH)3)

Ethylene glycol

Eye Effect:	Eye - Rabbit; Standard Draize : 500 mg/24H; Mild. Eye - Rabbit; Standard Draize : 1440 mg/6H; Moderate. (RTECS)
Skin Effects:	Skin - Rabbit; Open irritation : 555 mg; Mild. (RTECS)
Ingestion Effects:	Ingestion - Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value Ingestion - Rat TDLo: 5000 mg/kg; Brain and Coverings - other degenerative changes Behavioral - tetany Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - transaminases Ingestion - Mouse LD50: 5500 mg/kg; Details of toxic effects not reported other than lethal dose value (RTECS)
Inhalation Effects:	Inhalation - Rat LC: >200 mg/m3/4H; Details of toxic effects not reported other than lethal dose value Inhalation - Mouse LC: >200 mg/m3/2H; Details of toxic effects not reported other than lethal dose value (RTECS)

Silica, amorphous, precipitated and gel

Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Palygorskite

Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans

Titanium dioxide

Skin Effects:	Skin - Rabbit; Standard Draize : 300 ug/3D; (Intermittent) Mild. (RTECS)
Ingestion Effects:	Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes . (RTECS)
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

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SECTION 12: ECOLOGICAL INFORMATION

Product No. 1050

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

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SECTION 13: DISPOSAL CONSIDERATIONS

Product No. 1050

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

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SECTION 14: TRANSPORT INFORMATION

Product No. 1050

DOT UN Number:	No Data
DOT Hazard Class:	No Data

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SECTION 15: REGULATORY INFORMATION

Product No. 1050

2-methyl Propionic acid monoester with 2,2,4-trimethyl-1,3-pentanediol

TSCA 8(b): Inventory Status: Listed

Canada DSL: Listed

2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate

TSCA 8(b): Inventory Status: Listed

Canada DSL: Listed

Aluminum hydroxide (Al(OH)3)

TSCA 8(b): Inventory Status: Listed

Canada DSL: Listed

Anhydrous aluminum silicate (Calcined kaolin)

TSCA 8(b): Inventory Status: Listed

Canada DSL: Listed

Ethylene glycol

TSCA 8(b): Inventory Status: Listed

State: Listed in the New Jersey State Right to Know list.
Listed in the Pennysalvania Hazardous Subsatnces list.

Canada DSL: Listed

Nepheline Syenite

TSCA 8(b): Inventory Status: Not listed

Canada DSL: Listed

Non-hazardous ingredients

State: Contains calcium carbonate (CAS:1317-65-3), which is listed in the TSCA inventory.

Silica, amorphous, precipitated and gel

TSCA 8(b): Inventory Status: Not listed

Canada DSL: Listed

Palygorskite

TSCA 8(b): Inventory Status: Not listed

Titanium dioxide

TSCA 8(b): Inventory Status: Listed

State: Listed in the New Jersey State Right to Know list.
Listed in the Pennysalvania Hazardous Subsatnces list.

Canada DSL: Listed

Proposition 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

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SECTION 16: ADDITIONAL INFORMATION

Product No. 1050

MSDS Preparation Date: 03/31/2005

MSDS Revision Date: 03/31/2005

MSDS Author: Actio Corporation

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific materials designated. Refer to individual product safety Data sheets when using more than one product in combination with another.

References:

1. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
2. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
3. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
4.Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer, 2004.
6. Industrial Hygiene and Toxicology, by F.A. Patty.

7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Tenth Report on Carcinogens, 2002.
9. Brethericks Reactive Chemical Hazards Database. Version 2.
10. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
11. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
12. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environmental and Biological Exposure Indices. TLV Booklet, 2003.

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